

ABSTRACT

There is described an image-capturing apparatus, which has plural kinds of image sensors, sensitivities of which are different relative to each other, for recording wide dynamic range image data, and an image processing apparatus for applying optimization processing to the wide dynamic range image data. The image capturing apparatus includes a scene-referred raw data generating section to generate scene-referred raw data sets; a scene-referred image data synthesizing section to synthesize scene-referred image data; a synthesizing-information data generating section to generate synthesizing-information data; an output-referred image data generating section to generate output-referred image data by applying an optimization processing to the scene-referred image data; a differential data generating section to generate differential data between the scene-referred image data and the output-referred image data; and a controlling section to store the output-referred image data attached with the synthesizing-information data and the differential data into a storage medium.